PREFACE

- **Thank you for purchasing ReliTouch® RT-201 biometric lock.**

- **Please read the documentation carefully before installation & use. The manual details all installation procedures.**

- **If this lock is intended to be mated with a Lockwood 3570/3P72SS mortise (existing or new installation), please refer to the Support section of our website at http://www.advancedactuators.com.au/support/relitouch-documentation-10/ and download "ReliTouch Installation Manual: Lockwood Mortise"**

- **Manufacturer and/or Distributors of the ReliTouch® RT-201 will not be responsible for any damages caused by incorrect installation or mishandling of the lock. Any such damages will void manufacturer's warranty. Further information on the warranty terms and conditions can be found on page 97 of this manual.**

- **Important: The ReliTouch® outside (front) unit has been designed for weather exposure. Exposure of the inside (back) unit to the elements will void manufacturer warranty. See page 98 of this manual for further information under "Warranty Terms and Conditions"**

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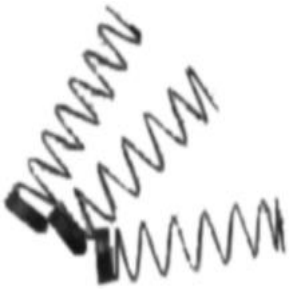
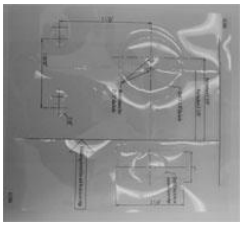
ReliTouch® RT-201 Installation Guide

Section 1 Parts

Please familiarize yourself with all the parts in the packaging box of ReliTouch® RT-201. If any part is missed or damaged, contact your dealer immediately.

Outdoor Unit	Indoor Unit	Universal Handles
Strike Plate & Box	Rubber Gaskets	Fixing Plate (Latch mortise)
Over-ride Keys	Tubular Latch (60mm & 70mm adjustable)	Spindle (or tailpiece)

 Spindle Springs	 Installation Template	2 x 78mm screws *(for bottom fixing posts)*
2 x 38mm screws *(for fixing plate)*	1 x 93mm screw *(for top fixing post)*	

Section 2 Required Tools

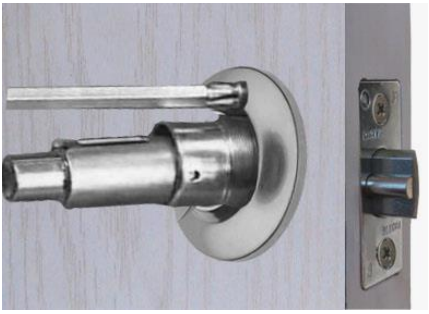
①One Electric or battery operated Drill	②One 10mm Diameter Drill Bit
③A pair of scissors	④One Philips head screw driver
Hacksaw or handheld bolt cutters	Tape measure
⑤One long, thin shafted Phillips Head Screwdriver	

Section 3 Pre-installation

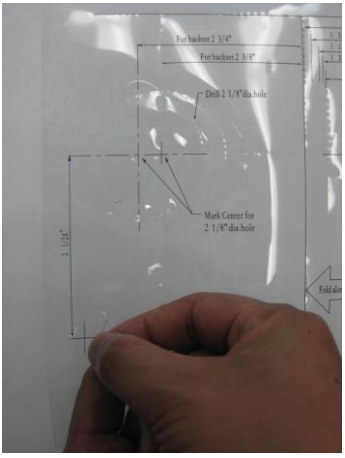
3.1 Mark and bore holes on the door

3.11 Use the following steps to properly mark holes on door for drilling:

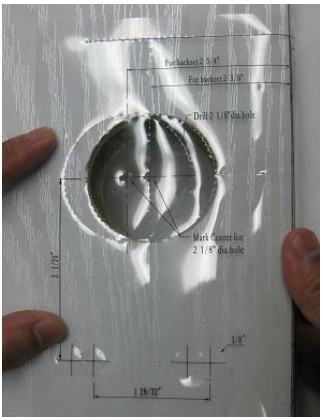
1) Remove existing handle set.



2) Cut out the two, 10mm holes on the Installation Template that correspond to your existing backset (60mm or 70mm).



3) Rest the installation template on the front of the door, on top of the existing 54mm hole, making sure that it is aligned properly for the door's existing 60mm or 70mm backset.



4) Mark the two, 10mm holes that you cut out of the installation template on the door (with a magic marker).

5) Bore the two, 10mm holes into the door (using a 10mm drill bit), making sure that the holes fully penetrate through the door.

3.2 Setting/Installing the latch and strike plate

1) The latch that is included with the ReliTouch® RT-201 is adjustable for doors that have 60mm or 70mm backsets. Adjust the backset by sliding the spindle hole under the correct setting for your door.

2) Insert the latch into the hole in the edge of the door and screw into place, making sure that the center of the latch's spindle hole is in the center of the drilled 54mm hole.

3) Screw the included strike plate into the door jamb.

3.3 Removing handles and re-installing for Right/Left handed configuration

1) The ReliTouch® RT-201 is a non-handed lock, meaning that it can be installed on either a right handed or left handed door.

2) Use the following steps to install the handles:

- 2a) Insert outside units' handle onto the lock based on your right/left handed configuration.

- 2b) Turn the outside unit over and insert a long, thin Phillips head screwdriver into the spindle hole.

- 2c) Fasten the screw, so the handle is firmly held in place.

- 2d) Follow steps 2a thru 2c for installation of the handle on the inside unit.

Section 4 Installation

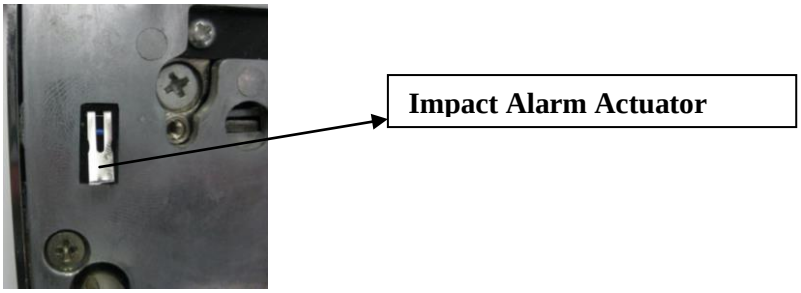
NOTE: Measure the exact thickness of the door. You will need to trim (cut) the fixing post screws to ensure a proper fit to the door. The trimmed screws will be needed in Section 4.4.

Top Fixing Post Screw:

Bottom Fixing Post Screws:

4.1 Impact Alarm Information

An impact alarm actuator has been mounted onto the back plate of the outside unit. See the diagram for details.



The impact alarm will sound in the event of an impact to the lock that causes the ReliTouch® RT-201 outside unit to dislodge from the door. ****If the actuator is not firmly depressed, then the alarm will sound.** The impact alarm is located under the rubber cover on the outside unit.

The alarm will also sound if the outside units' wire set is not fully plugged into the inside unit.

If the alarm is triggered, make sure to check the door and the lock immediately. If there is no emergency occurring, then remove the batteries to stop the alarm and check connections.

Do not install batteries until installation is completed and lock is installed securely on the door.

.2 Installing the Outside Unit

1) Attach the rubber gasket to the back of the outdoor unit.

2) Turn the outside unit over to make sure that the spindle hole is perfectly square and not angled.

3) Feed the wire set underneath the latch.

4) Align the two middle fixing posts with the two corresponding holes in the latch.

5) Align two bottom fixing posts with two 10mm holes that were drilled.

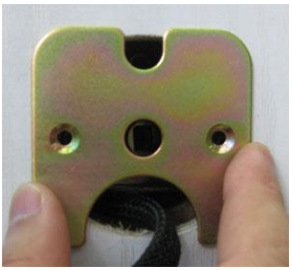
6) Insert outside unit onto the door, making sure that the two middle fixing posts fit into the two holes in the latch and the two bottom fixing posts fit perfectly into the two 10mm holes.

7) Outside unit should be completely flush on the face of the door.

4.3 Installing the fixing plate

The purpose of the fixing plate is to securely fasten the outside unit onto the door, so installation of the inside unit will be easier, requiring only one person.

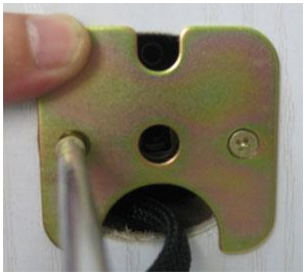
1) Place fixing plate over the 54mm hole on the inside of the door.



2) Align center hole of the fixing plate with the spindle hole of the latch.

3) Be sure that large rounded half circle is facing down on the fixing plate (wire set goes thru large rounded half circle) and that the two side screw holes are indented.

4) Screw the fixing plate onto the door with the provided 38mm screws, so it is secure. ***DO NOT*** over tighten the screws.



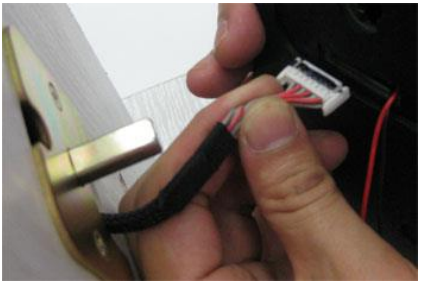
4.4 Installing the Inside Unit

1) Insert spindle thru the spindle hole of the latch into the spindle hole of the outside unit. You should be able to feel the spindle pop into the outside unit's spindle hole.

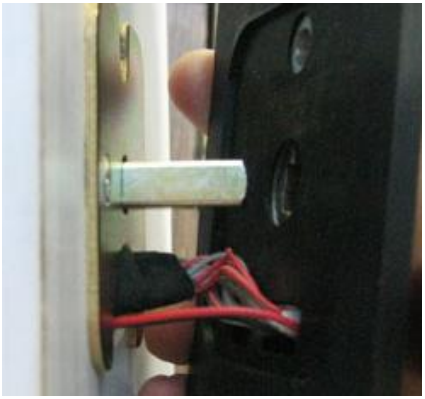
2) Insert spring into inside unit's square hole. **VERY IMPORTANT**

3) Attach rubber gasket onto the inside unit.

4) Plug the wire set (****making sure black marker is on top of the connector head, the two black marks should be lined up**) into plug on the inside unit. Be sure that wire set is fully plugged and seated well.



5) Stuff excess wires into the 54mm hole.



6) Install inside unit onto door, making sure that the spring does not fall out when unit is placed upright and onto the spindle.

7) Affix lock to the door with the three screws that match the thickness of the door (per NOTE in beginning of Section 4). The longer screw is for the top fixing post and the two shorter screws are for the bottom fixing posts.

Section 5 Power Options

5.1 AA Batteries

1) Remove battery cover

2) Insert 4 AA batteries into the battery pack located on the inside unit. We recommend Lithium AA batteries for longevity. (**1.5v only**)

3) When batteries are inserted, two beeps are heard indicating that the lock is ready to program.

5.2 Hardwiring the ReliTouch® RT-201

It is possible to hard wire the ReliTouch® RT-201 to an external 6 to 12VDC/1.2 amp power supply for constant power.

IMPORTANT:

- **WHEN THE RELITOUCH® RT-201 IS HARD WIRED, THE AA BATTERIES CAN BE LEFT IN THE BATTERY PACK FOR BACK UP POWER.**

Only licensed electricians should hard wire the unit. Actuator Systems Australia Pty. Ltd., will not be held liable for faulty hardwiring.

ReliTouch® RT-201 Operations Manual

SECURITY WARNING

- **With no fingerprints or PIN Codes enrolled, the ReliTouch® RT-201 will unlock when the # button is pressed on the keypad.**

- **It is strongly recommended that an Administrator (User IDs 1 thru 3) DELETE ALL Fingerprints and PIN Codes (see Menu 1.5), prior to programming the ReliTouch® RT-201, in the event that a User has been accidentally added prior to programming.**

Definitions of Indication Beeps:

Single, Short Beep

- A button has been pressed.
- An operational sequence has begun.
- A fingerprint user has been added successfully.

Two, Short Beeps:

- Door has been successfully unlocked.

Three, Short Beeps

- Unsuccessful Fingerprint/PIN verification attempt.
- New PIN code entry is already allocated to another User

Six, Short Beeps

- Low battery alert (change batteries)
- Lock has been reset.

Definitions of LED

Red LED – Indicates any unsuccessful fingerprint/PIN verification attempt.

Green LED – Indicates any successful fingerprint/PIN verification attempt.

Illuminating the ReliTouch® RT-201 Exterior Unit Keypad

- Press and Hold any of the numbers on the keypad (0 thru 9) for two to three seconds on the exterior unit.
- Keypad will illuminate for 5 seconds.

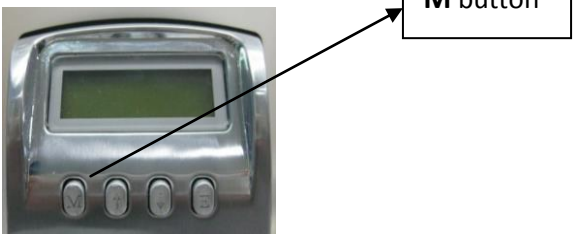
Section 1 LCD Menu

Note: For ease of reference, for this section of the Operations Manual, the sections are headed as Menu 1 through to Menu 4, with the sub sections (e.g.) 1.1 Date/Time, 2.2 Add PIN etc., listed sequentially exactly as the menu's appear on the Lock LCD interface.

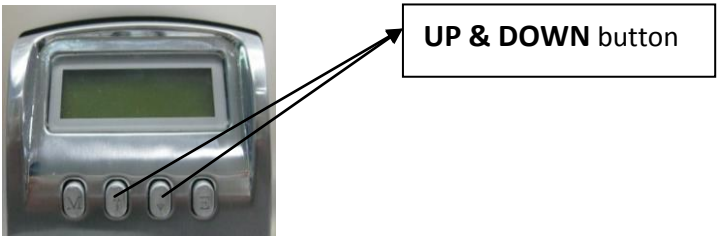
Contact us at support@advancedactuators.com.au if you feel we can make this manual more user-friendly.

Preamble

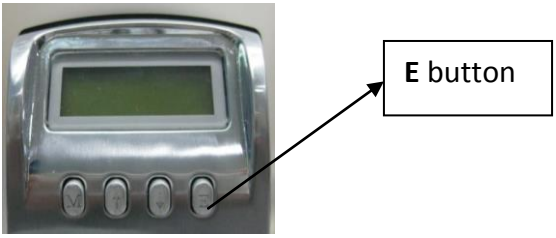
1) The "M" button stands for Menu and is used to enter different menu options and it is also used to save changes made to the ReliTouch® RT-201.



2) The up and down arrows are used to scroll thru menu options.



3) The "E" button stands for Exit and this is pressed to exit individual menu options. *(Exceptions: when setting date ranges for Access Control: "E" selected to initiate the "Save" prompt)*



<u>NOTE</u>: The following LOCK SETUP instructions are assuming that there are no fingerprints enrolled in the ReliTouch® RT-201. All LOCK SETUP functions can be done prior to enrolling an Administrator fingerprint or PIN code.

If changes are being made to the LOCK SETUP (or any other menu options for that matter) after an Administrator fingerprint has been enrolled, then their fingerprint will need to be verified after pressing "M" (e.g. "M" → Menu Options: 1. Master Fp or 2. Master Pwd → (LCD instruction) "Press finger…" or "Pin_" to enter the menu options.)

Menu 1 Lock Setup

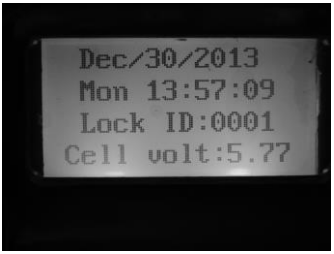
1.1 Date/Time

Setting up the Date and Time of the ReliTouch® RT-201 is critical when using the ReliTouch® RUMS for programming (and audit trail) features to ensure accurate time/date stamps for Audit Trail and accurate time/date for Access Control

l) Press **"M"** (or "E" in this instance): the lock will display in succession:

Current firmware:

Default date, time and day, display current lock ID and voltage remaining in the batteries.



Followed by **NO MASTER!**

The Lock Setup menu will then automatically display:

2) Option **1. Lock setup** is highlighted. Press **"M"**

3) Option **1. Date/Time** is highlighted. Press **"M"**

4) The format for the date setup is **MMM/DD/YYYY**.

5) Choose the correct month by using the Up/Down arrows until desired month is chosen and press **"M"** to save selection

6) Choose the correct day of the month by using the Up/Down arrows until desired numeric day of the month is chosen and press **"M"** to save selection.

7) Choose the correct year by using the Up/Down arrows until desired numeric year is chosen and press **"M"** to save selection.

8) The format of the time setup is HH:MM:SS and is in **MILITARY TIME**, meaning that the clock is 24 hours, instead of 12 hours; e.g: if it is 1:00 PM, the clock should be set up as 13:00:00.

9) Choose the correct hour by using the Up/Down arrows until desired numeric hour is chosen and press **"M"** to save selection.

10) Choose the correct minute by using the Up/Down arrows until desired numeric minute is chosen and press **"M"** to save selection

11) Choose the correct second by using the Up/Down arrows until desired numeric second is chosen and press **"M"** to save selection.

12) Choose the correct day of the week by using the Up/Down arrows until desired day of the week is chosen and press **"M"** to save selection.

13) Press **"M"** on Save to save complete Date/Time settings.

14) **"Saved"** displays on LCD.

15) Press **"E"** to exit.

1.2 Sensitivity

NOTE:

- **Fingerprint sensitivity settings range from 1 to 9. Setting 1 is the most strict setting, meaning that quality of fingerprint and placement of fingerprint need to be almost perfect. Setting 9 is the least stringent setting in regards to fingerprint quality and placement.**

- **IF YOU ARE HAVING RECOGNITION ISSUES WITH ACCEPTING FINGERPRINTS SET THIS SETTING TO 9.**

1) In the Lock setup menu, scroll down to and highlight option **2. Sensitivity** and press **"M".**

2) Use the up and down arrows to scroll thru the sensitivity levels until the desired level is reached and press **"M"** to save setting.

3) Message **"Saved"** will display.

4) Press **"E"** to exit.

1.3 Match Mode

There are three choices for how the ReliTouch® RT-201 will verify enrolled users for access to unlock the door:

- **1:N**…When this is chosen, all users enrolled at this lock will only need to match their enrolled ***Fingerprint*** **OR** ***PIN*** Code to successfully unlock the door

- **1:1**…When this is chosen, all users enrolled at this lock must enter their **User ID**, then verify their enrolled ***Fingerprint*** or PIN Code to successfully unlock the door.

e.g. (005 = USER ID from User Edit Menu)

5 + # +FP

OR

5 +* + PIN + *

- **1&N**…When this is chosen, all enrolled users can use either the ***1:1*** **OR** ***1:N*** method to successfully unlock the door.

<u>Use the following steps to set up the Matching Mode at the ReliTouch® RT-201</u>:

1) In the Lock setup menu, scroll down to and highlight option **3. Match Mode** and press **"M".**

2) Use the up and down arrows to scroll thru the matching modes until the desired mode is reached and press **"M"** to save setting.

3) Message **"Saved"** will display.

4) Press **"E"** to exit.

1.4 Lock ID

IMPORTANT NOTE: *Setting up the Lock ID of the ReliTouch® RT-201 is critical when using the ReliTouch® RUMS for programming (and audit trail); i.e. LOCK ID **at** the RT-201 **must** correspond with LOCK ID set up with the optional RUMS software (if not you are setting yourself up for all sorts of grief later on)*

1) In the Lock Setup menu, scroll down to and highlight option **4**. Lock ID and press "**M**".

2) Use the up and down arrows to scroll to the desired lock ID and press "**M**" to save setting.

3) Message "Saved" will display.

4) Press "**E**" to exit.

1.5 ClearFP&PIN

This menu has 2 options: 1. Clear FP and 2. Clear PIN. Selecting these options will delete all Administrators and Users. ***Note****: If Users/Administrators have a PIN code associated with their FP, the PIN codes should be cleared if you wish to reset all data*

1) In the Lock setup menu, scroll down to and highlight option **5. Clear FP & PIN** and press **"M".**

2) To delete all fingerprints, highlight the **Clear FP** option and press **"M".**

3) **"Cleared"** will display, indicating that all fingerprints have been deleted.

4) Press **"E"** to exit or wait momentarily for menu option **5**: **ClearFP&PIN** to reappear to select sub menu 2: **Clear PIN**

1) Select option **5: ClearFP&PIN** again and press **"M".**

2) To delete all PIN Codes, scroll down and highlight the **Clear PIN** option and press **"M".**

3) **"Cleared"** will display, indicating that all PIN Codes have been deleted.

4) Press **"E"** to exit.

1.6 Access Time

The ReliTouch® RT-201 has three TIME MODES that may be chosen for the lock:

- **ANY TIME**…When this is chosen, the specific lock allows for ***all*** enrolled Users to have access to unlock the door. The exception to this is if specific Timed Access is set up for individual Users (see Section 2: User Edit).

- **INVALID**…This can also be called lock down mode. When this is enabled, ***only*** Administrators for the specific lock will have access to unlock the door.

- **ACC-TIME**…This mode allows for timed access to the lock to be created for a specific date range, days of the week and time frame within the days of the week. Acc-Time means Access Time.

NOTE: The Acc-Time Setting chosen/created for the lock will *override* any specific Timed Access assigned for a specific User (if set in the "User Edit" menu (see Section 2: User Edit) . For example, if ACC-TIME is chosen for the lock and set to Mon, Wed and Fri 9am to 5pm, Users will only have access to unlock the door during the set days and times, no matter what *individual* timed access was set for them in the User Edit: menu 2.4.3: Acc-Time.

Administrators (User ID 1-3) will always have access to unlock the ReliTouch® RT-201.

1.6.1. INVALID:

1) In the Lock setup menu, scroll down to and highlight option **6**. Access Time and press "**M**".

2) Scroll to "INVALID" option and press "**M**".

3) Message "Saved" will display.

4) Press "**E**" to exit.

Reminder: selecting INVALID will allow Admin access only

1.6.2. ANYTIME:

1) In the Lock setup menu, scroll down to and highlight option **6. Access Time** and press **"M".**

2) Scroll to **"ANYTIME"** option and press **"M".**

3) Message **"Saved"** will display.

4) Press **"E"** to exit.

1.6.3. ACC-TIME:

1) In the Lock setup menu, scroll down to and highlight option **6. Access Time** and press **"M".**

2) Scroll to **"ACC-TIME"** option and press **"M".**

3) Highlight **"Date"**, press **"M"**.

4) The "**From"** and "**To" Date Range** options display. The format for the **Date Range** settings is **MMM/DD/YYYY** (from left to right).

5) Use the up and down arrows to choose the appropriate **MM**, **DD** and **YYYY** in each section. When desired numeric value is chosen for each section, press **"M"** to move on to the next date value.

Example: Desired **"From"** date is January 15, 2009. In the **"From"** section:

- Use the up and down arrows to select **Jan** and press **"M".**

- Use the up and down arrows to enter **"15"** (for the fifteenth day of the month) and press **"M".**

- Use the up and down arrows to enter **"2009"** (for the Year) and press **"M".**

- Use the same steps for the **"To"** date.

6) Once the **Date Range** is set up, press **"E"**. Message "**Save**?" will display on the LCD.

7) Press "**M**". Message "**Saved!**" will display on the LCD. OR press "**E**" to exit without saving.

8) Scroll to **"Time"**, and press **"M"**.

- The format of the time setup is HH:MM and is in **MILITARY TIME**, meaning that the clock is 24 hours, instead of 12 hours; e.g. If the **"From"** time 11:00 PM, the clock should be set up as 23:00.

- Choose the correct **"From"** hour by using the Up/Down arrows until desired numeric hour is chosen and press **"M"** to save selection.

- Choose the correct **"From"** minute by using the Up/Down arrows until desired numeric minute is chosen and press **"M"** to save selection.

- Choose the correct **"To"** hour by using the Up/Down arrows until desired numeric hour is chosen and press **"M"** to save selection.

- Choose the correct **"To"** minute by using the Up/Down arrows until desired numeric minute is chosen and press **"M"** to save selection.

- Once the **Time Frame** is set up, press "**E**". Message "**Save**?" will display on the LCD.

- Press "**M**", Message "**Saved!**" will display on the LCD. OR press "**E**" to exit without saving.

9) Scroll to **"Week Days"**, and press **"M"** to set up **the Days of the Week** access for the RT-201.

- Press **"M"** to choose **"Y"** (Yes) OR **"N"** (No) for each day of the week that is highlighted.

- If **"Y"** (Yes) is chosen for a specific day of the week, then all enrolled Users (that do not have Acc-Times set up for their specific **individual User ID**) will have access to unlock the ReliTouch® RT-201®, on that day of the week, during the **Date Range** and **Time Frame** that has already been set up. Once the Date Range or Time Frame has expired, all enrolled Users will not be able to unlock the ReliTouch® RT-201®.

Only Administrators (User ID 1-3) will have access to unlock the ReliTouch® RT-201®.

- If **"N"** (No) is chosen for a specific day of the week, then no enrolled Users will have access to unlock the ReliTouch® RT-201® for that day of the week. Only Administrators (User ID 1-3) will have access to unlock the ReliTouch® RT-201®.
- Press **"E"** to exit and Up and Down arrows to scroll to the next day of the week.

- When setting for **Saturday** is completed, press **"E"**. Message "**Save?**" will display on the LCD.

- Press "**M**", message "**Saved!**" will display. OR press "E" to exit without saving.

1.7 Timed TUM

Overview:

Timed (or Automatic) TUM (Temporary Unlock Mode) allows an Administrator to set the ReliTouch® RT-201 to be *armed* to unlock automatically at preset days and times upon the confirmation of a registered user at or after the preset time (FUA)***** and then automatically revert back to "locked" (or normal) mode at time expiry.

The Administrator may also preset holidays (dates) so that TUM will not be armed or active during those days that Timed TUM has been preset******.

** **FUA**: "First User Authentication": the Administrator will **arm** the open time; which will be displayed as "Armed!" once set. However TUM will only **activate** [door will then remain unlocked] upon the verification of a registered User's FP or PIN. Door will remain unlocked until preset time expiry.*

******* Example: if TUM has been set to operate Monday to Friday from 09:00 to 17:00 (9AM to 5PM) and a preset holiday(s) falls on a Tuesday, the TUM feature will be bypassed on the date(s) set; even if a registered User accesses the lock.*

The TUM feature is especially useful for doors that require frequent access (e.g. a shop front during business hours).

1) In the Lock setup menu, scroll down to and highlight option **7**: **Timed TUM** and press "**M**":

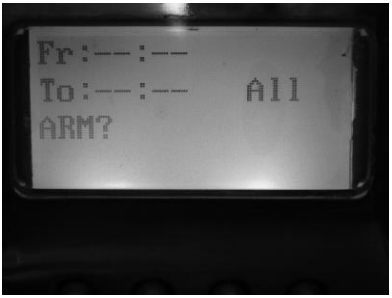
1.7.1: Setup Menu:

Press "M" to enter the Setup menu:

1.7.1.1: Cancel TUM:

Overview: the Cancel TUM function will void all previous preset data *(Note: Holiday data will **NOT** be reset)*

Press "M" to reset ALL data fields → All TUM data fields are reset to "dashes" in both the "ALL" and "Daily" sub menus (below)



Tip: there are 2 ways to cancel TUM. The above method will void ALL data fields in the TUM menu and is recommended for a complete reset
Individual day resets may be carried out in their respective sub menu and are detailed in their relevant section below

1.7.1.2:Setup Days:

Overview: This menu has been designed for ease of setup. Most businesses will operate the Timed TUM mode during business days (e.g. Monday to Friday, 09:00 to 17:00 and say Saturday from 09:00 to 12:00). We recommend that if your office or business operates in a similar manner, you set up the times you want your lock to be in TUM mode in the "ALL" (days) menu, then edit individual days that you do not want TUM to be armed.

Example 1 is shown below of setting your lock for the Timed TUM mode on Monday to Friday from 09:00 to 17:00 and Saturday from 09:00 to 12:00.

Example 2 is shown below in the "Setup Holidays" menu to set the Holiday criteria for the TUM you have set

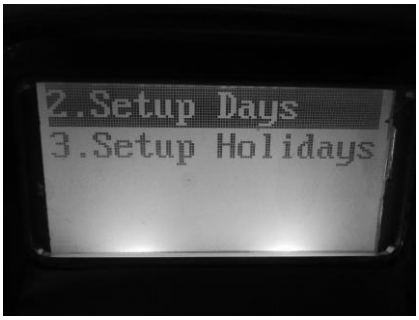
Please read the important explanatory tips outlined below before setting the time fields:

Important Tips on setting Data Fields in the Timed TUM Menu:

- On initial setup, the system will display "dashes" (-- : --) in all fields
- Pressing "M" will highlight the first "- -" field; using the ↑ ↓ keys will insert your desired time
- Pressing "M" to the next field will highlight the next "- -". Use the ↑↓keys to enter a time, as with the remaining fields. *If a time is **not** inserted using the ↓ ↑ keys and "M" is pressed again, **ALL** data fields will revert to "- -"; you will be prompted to "SAVE" this entry and required to start again (this is an intentional design criteria and this is the second way to cancel/void TUM for a particular day)*
- Once all time fields have been entered, pressing "M" when the "ARM?" icon has been highlighted will change the text to "ARMED!" and the system will automatically pop back to the previous menu. Do not go back into the previous menu unless you intend to change a data field. If you go back into the menu you have just set previously unintentionally:
    - the "ARM?" prompt will appear again. Press "E" to exit and all previous data will be retained and
    - If you press "M" unintentionally, the first data field will revert to "- - ". If you do not want to change a data field, press "E" to exit this menu and all data will be retained.
    - *If "M" is pressed again, **ALL** data fields will revert to "- -"; you will be prompted to "SAVE" this entry and required to start again (this is an intentional design criteria)*
    - **Important:** if a registered user uses their FP or PIN while in Timed TUM, the ReliTouch 201SC will re-enter a locked state. Simply re-enter FP or PIN to regain Timed TUM status.

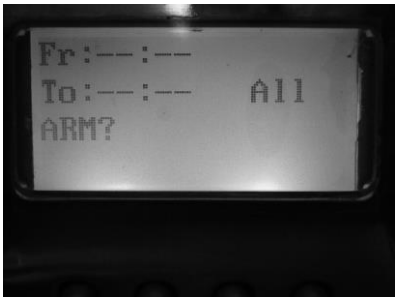
Example 1: Setting TUM for Monday to Friday, 09:00 to 17:00 and Saturday 09:00 to 12:00 (recommended method):

1) Scroll to: Menu 1: Lock Setup → "M" → ↓↑ keys → 7. Timed TUM → "M" → 1. Setup → "M" → 2. Setup Days:

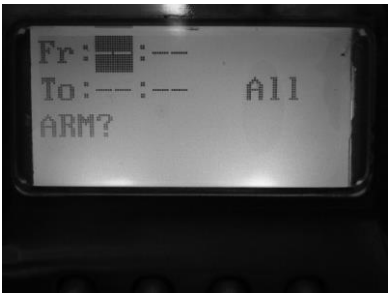


2) Press "M" to enter the "Setup Days" sub menu → "M" → 1. ALL

3) Press "M" to highlight first data field:



"M"



4) Use ↑↓ keys to insert desired time, repeat process until all data fields inserted
5) Pressing "M" after the last data field insertion will highlight "ARM?"

6) Press "M" again to highlight "ARMED!".

Timed TUM is now ***armed*** ready for the first registered User (FUA) to ***activate*** Timed TUM on or after the preset time of 09:00 for **ALL** days (i.e. every day of the week).

7) The menu screen automatically displays the "Days" menu. Use ↓↑ keys to navigate to "Saturday" → "M" → you will be prompted to "ARM?" the system again

"M"

The first data field will revert to "- -". Use ↑↓ keys to insert desired time of 09:00

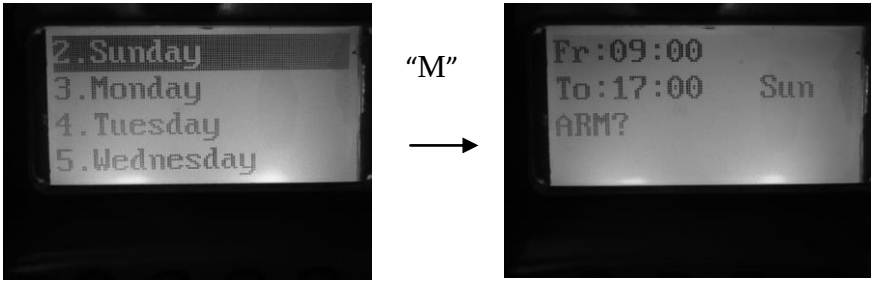
"M"

Repeat the process for the remaining fields and press "M" until the system is "ARMED!"

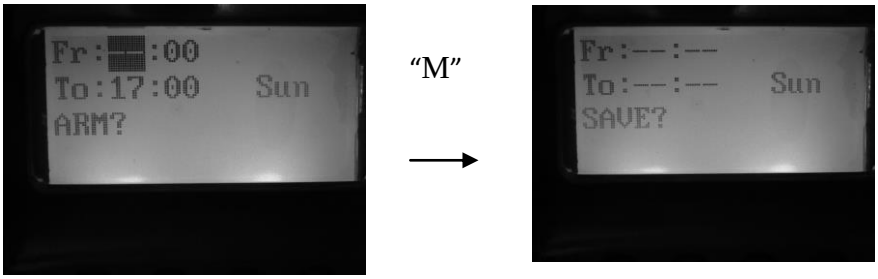
***Tip**: As soon as an individual day has been "ARMED!", the data fields in the "ALL" menu will revert to "- -" (if set) to indicate that data is no longer valid*

Lastly, “Sunday” needs to be made “void” for TUM:

8) Use ↓↑ keys from Days menu to select “Sunday”: → “M” → you will be prompted to “ARM?” the system again



Press “M” again so that the first field will revert to “- - “. Press “M” a second time and all fields will show “- - “.

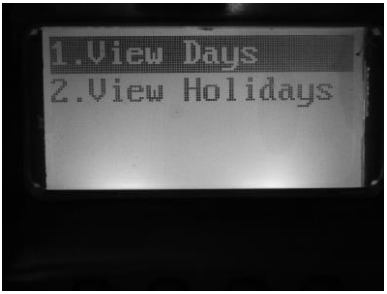


Press “M” to highlight “SAVE”, then press “M” again to show “SAVED!”

Your lock is now armed for TUM operation.

9) To confirm your selections, press “E” to return to the Timed TUM main menu, select 2. View → “M” → View Days:

“M”



- You can now scroll through each day using the ↑↓ keys to confirm your input

End of Example 1. The alternative method is to edit each individual day. However, this can be a little time consuming and this the above method is recommended.

1.7.1.3: Setup Holidays

Overview: This menu has been designed for use in conjunction with the Timed TUM mode. By setting dates in this menu that coincide with public holidays, it alleviates the need of the Administrator to remember to cancel TUM manually prior to each holiday event. When a date has been set in this menu and there has been a Timed TUM event set in the menu, Timed TUM will not be armed and therefore will not activate, even with recognition of a registered User.

- Twelve (12) Holiday events may be entered into the system.
- The menu may be setup for the holiday to occur every year (e.g. Dec 25 to Dec 26 every year "displayed as "Every Year" in the setup menu) or a "one off" for a particular year (e.g. State of Origin game, May 28, 2014)
- The "Cancel TUM" command in the main menu will not cancel holiday dates set, they must be deleted individually.

Please read the important explanatory tips outlined below before setting the time fields:

Important Tips on setting Data Fields in the Set Holidays Menu:

- On initial setup, the system will display "dashes" (-- : --) in all fields
- Pressing "M" will highlight the first "- -" field; using the ↑ ↓ keys will insert your desired date(s)
- Pressing "M" to the next field will highlight the next "- -". Use the ↑↓keys to enter a date, as with the remaining fields. *If a date is **not** inserted using the ↓ ↑ keys and "M" is pressed again, **ALL** data*

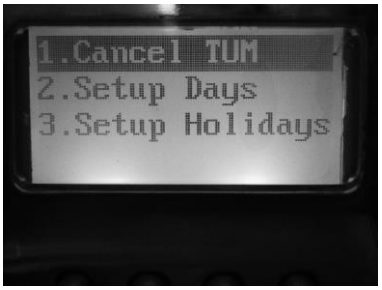
fields will revert to "- -"; you will be prompted to "SAVE" this entry and required to start again

- *(This is also the way to delete a date entry in the Set Holiday menu)*
- Once all date fields have been entered, pressing "M" when the "SAVE?" icon has been highlighted will change the text to "SAVED!" and the system will automatically highlight the same number entry you just set. Do not press "M" again unless you plan to edit the previous entry data field(s). If you press "M" inadvertently:
  - the year will revert to "- - - -" Press "E" to exit and all previous data will be retained and.
  - *If "M" is pressed again, **ALL** data fields will revert to "- - - - "; you will be prompted to "SAVE" this entry and required to start again (this is an intentional design criteria)*

Example 2: Setting Holidays:

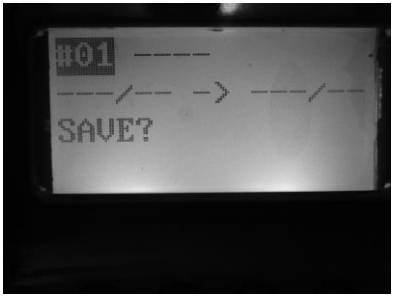
- Dec 25 to Dec 26 Every Year
- One off Holiday, May 28, 2014
-

1) Navigate to Scroll to: Menu 1: Lock Setup → "M" → ↓↑ keys → 7. Timed TUM → "M" → 1. Setup → "M" → 2. Setup Holidays:

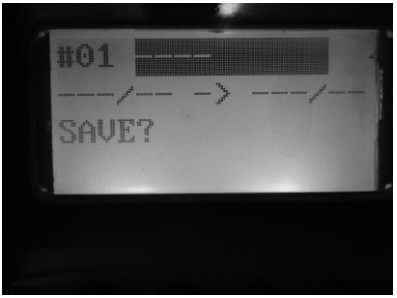


"M"

2) Press "M" to access the setup display, press "M" to highlight the "Year" field:



"M"



3) Use the ↓ key to highlight “Every Year”, press “M”.

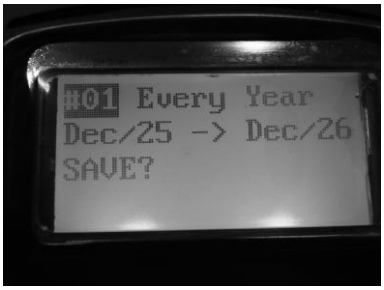
“M”

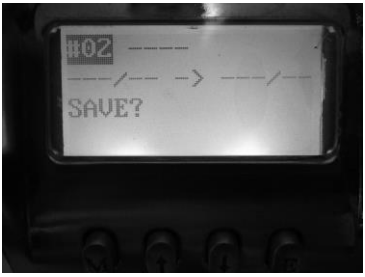
4) Continue to enter the desired dates as previously described, until you are prompted to “SAVE?”. Press “M” again and the system will momentarily display “SAVED!” (it will then revert back to display “SAVE?”).

Tip: if you have seen “SAVED!”, do not be tempted to re-enter the menu, only unless if you need to for any corrections (otherwise you may have to re-enter the data)

Once set in the “Every Year” mode, *every year* until 2099 will cancel (or void) the Timed TUM mode

5) To set a one off holiday for May 28, 2014. After Holiday #1 set, #1 is highlighted. Use ↓ key to highlight #2



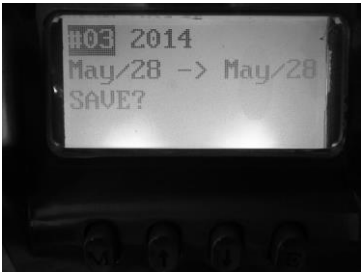


6) Press "M" to highlight the year field and use the ↑ key to insert 2014 and then enter that data as previously described. When the "SAVE?" prompt is displayed, press "M" to store the data when "SAVED!" will be momentarily displayed before the display reverts back to "SAVE?"

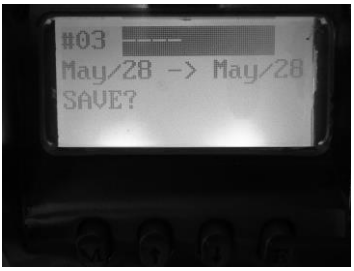
Deleting a Holiday Event:

Example: delete #3: May 28, 2014.

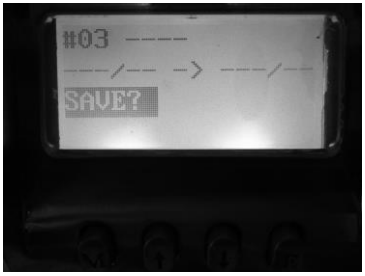
- Enter Setup Holiday Menu
- Use ↓ key to navigate to position #3
- Press "M": "Year" field will revert to "- - - -"
- Press "M" again: all fields will revert to "- - - -"
- Press "M" when "SAVE?" prompt is highlighted to display "SAVED!" momentarily
- Press "E" to exit



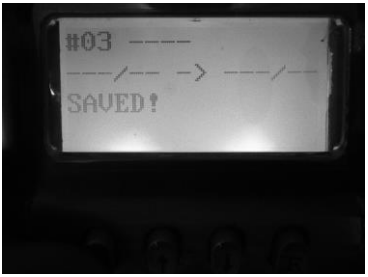
"M"



"M"



"M"

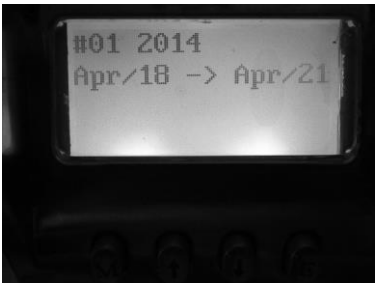


Note: All Holidays must be deleted individually if required using this method from the "Setup Holiday" Menu

View Holiday Roster:

- From 1.7 Timed TUM menu → "M" → 2. View → "M" → 2. View Holidays
- Use the ↓ key to view holiday events set.

Use ↓ key to view each entry

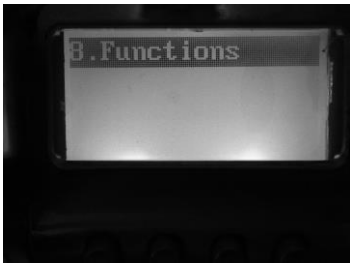


Press "E" to exit

1.8 Functions

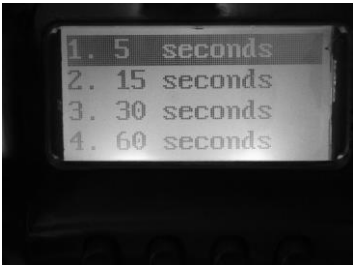
Overview: Two *optional* functions for timeout (the time from when the lock is energized to the time the lock will automatically shut down after no data entry) and sound are available and useful for setting up the unit or training staff:

1.8.1 Timeout:



"M"

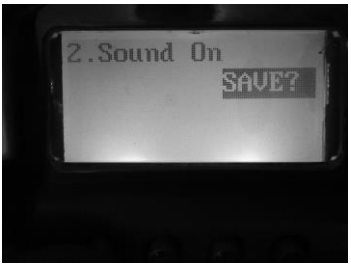
Default (and recommended) is 5 seconds (to prolong battery life). 4 choices are available: 5, 15, 30 and 60 seconds. Scroll for desired timeout setting, then press "M" to display "SAVED!"



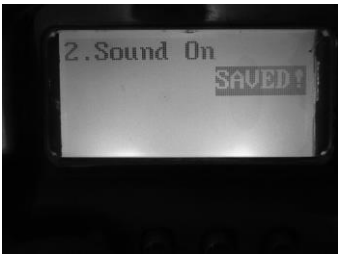
1.8.2 Sound

Press “M” to toggle between key beep off or on:

“M”



“M”



Menu 2 User Edit

Preamble

Fingerprint User IDs 1-3 are "Administrators", meaning that they have complete access to program the ReliTouch® RT-201 and to unlock the door at any time.

Fingerprint User IDs 4-7 are "Managers", meaning they have limited access to program the ReliTouch® RT201 (Delete User and Timed TUM menu) and to unlock the door at any time

To access any menu options, after an Administrator fingerprint has been enrolled, the Administrator's fingerprint will need to be verified after pressing "M" to enter the menu options.

The term "Fingerprint" is used as a general term when describing fingers or thumbs to use for enrollment/verification.

***Before enrolling and verifying fingerprints, make sure to read the following helpful hints for Fingerprint Enrollment and Verification*:**

Generally, the center of the vortex (swirl) of the fingerprint pattern is the key data point; **ideally, it is placed in the center of the sensor's glass window in a consistent way**. **Your finger or thumb should be flat, motionless and held with light pressure in the same way each time. See the picture below for some guiding drawings. Also, be sure that your fingerprint is well defined, where you can visibly see the well defined peaks and valleys of the vortex ridge pattern.**

Light pressure when placing the finger or thumb on the scanner gives the best image, but the finger must not move during scanning.

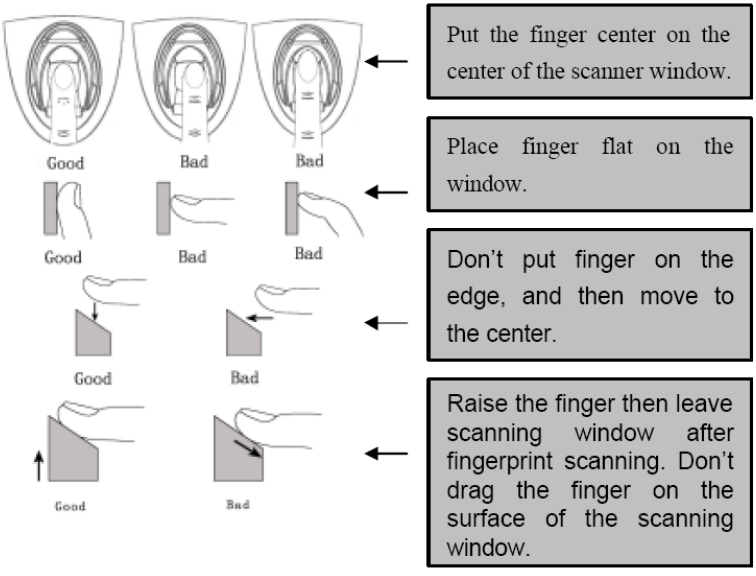
Adjust Fingerprint Sensitivity settings per **Menu 1.2**.

Moist fingers and thumbs give better images than dry ones. If on cold, dry days you have difficulty, for example, try moistening your finger or thumb with your breath or a little lotion.

Very dry, dirty, fingerprints with cracks going across them or scarred fingers/thumbs are obviously not recommended, since they will obscure the fingerprint.

Always wait until the fingerprint scanner **turns on** to place your finger/thumb on the scanning window. This is true for both fingerprint enrollment AND verification.

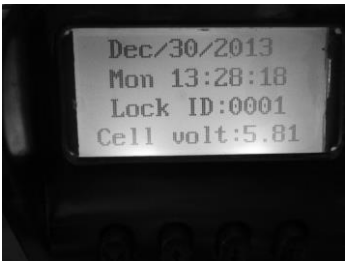
When trying to enroll or verify fingerprints in direct sunlight, be sure to shade the sensor with your shadow, so sunlight will not reflect off of the mirror in the sensor.


Good
Bad
Bad
Good
Bad
Bad
Good
Bad
Good
Bad
Put the finger center on the center of the scanner window.
Place finger flat on the window.
Don't put finger on the edge, and then move to the center.
Raise the finger then leave scanning window after fingerprint scanning. Don't drag the finger on the surface of the scanning window.

Reli

Overview

Press **"M"** (lock will momentarily display a welcome message with current Firmware version number, followed by factory preset date and time along with the Lock ID and battery voltage



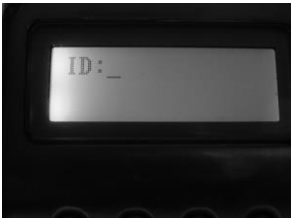
"**NO MASTER"** will momentarily be displayed followed by the display prompt to enter a master FP (fingerprint) or PWD (password)

- If an Administrator has already been added to the lock, the Administrator will need to successfully verify **their enrolled fingerprint *OR* registered PIN code (use up and down arrows to choose)** after pressing **"M"**. *Once the RT-201 Administrator is successfully verified, two short beeps will be*

heard, and the LED will flash green twice. If an Administrator has Not been entered, proceed to the next step.

2) Scroll to menu option **2. User Edit**. Press **"M".**

3) When the "**ID:"** prompt is displayed, enter a numerical value (e.g. 1, 5, 69, 444 etc.), followed by the "#" key from the **front** (outside unit) keypad.



- *(Remember: User IDs 1 thru 3 are "**Administrators**" (Master) Users that will have access at any time to unlock the door or program the ReliTouch® RT-201.*
- *Users 4 thru 7 are "**Managers**" who have limited menu access (i.e. are able to delete Users and edit the Timed TUM mode) and access the lock at any time*
- *Users 8 through 999 are General Users that have access to unlock the door at times set up by one of the Administrator Users and have no programming rights to the ReliTouch® RT-201).*

4) When a User number identifier has been entered, you are presented with a sub-menu with four options (pictures show screens for both "Master" and "User":

- **1. Add FP** – When this option is chosen, fingerprints can be added for the specific User ID.

- **2. Add PIN** –When this option is chosen, a PIN Code can be created, changed or deleted for the specific User ID.

- **3. Del FP** –When this option is chosen, the fingerprints associated to the specific User ID will be deleted.

- **4. Access Time** – When this option is chosen, it allows for timed access to be created for a specific date range, days of the week and time frame within the days of the week for the **Specific User ID**. Again, any Acc-Time settings that were previously made for the **LOCK**, will override any Access Time settings for the specific User ID.

Tip: To edit (clear) the last entered digit on the outside keypad if you've entered an incorrect number, press the "*" key

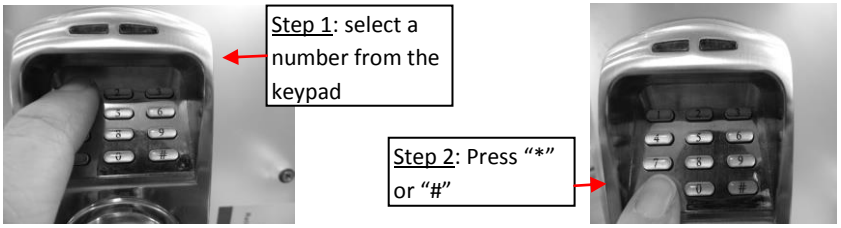
.

2.1 Add FP

1) Select menu **2: User Edit**.

- ID: will be displayed

2) (Within 5 seconds), using the keypad on the front (outside) unit, enter the numerical value corresponding to the desired **Administrator** (1 to 3), Manager (4 to 7), or **User** (8 to 999) followed by the "#" key



3) Sub menu **1. Add FP** will automatically be displayed and highlighted

4) Press **"M".**

*(Note: If no fingerprints have been enrolled for this User ID, then **1N, 2N, 3N** will be displayed. A total of 3 fingerprints (from fingers or thumbs) can be enrolled for each User ID. If there are fingerprints already enrolled for the User ID, then **"Y"** will be displayed next to some or all of the numbers.)*

- Highlight **1N** and press **"M".**

- The LCD will indicate "Capturing" and the finger print scanner will initialize ("blink" once then steady green)
- Rest desired finger or thumb on the sensor (outside unit).

- Keep finger or thumb on the sensor while it flashes three quick times. **KEEP FINGER STILL DURING SCANNING**.
- If finger/thumb "1" was successfully enrolled, a single short beep will be heard, the LCD will display **"Success"** and 1N will change to **1Y**.

  - If unsuccessful, **"Failed"** will display on the LCD and 1N **will not** change to 1Y. Repeat the steps above to try again.

NOTE: If desired, the same finger/thumb can also be used for fingers/thumbs "2" and "3". This is recommended for Users with poor quality fingerprints. However, different fingers/thumbs can be used for fingers/thumbs 1, 2 &3.

- Press the up arrow to highlight **2N** and press **"M".**

- Rest the next (or same) desired finger or thumb on the sensor (outside unit).

- Keep finger or thumb on the sensor while it flashes three quick times. KEEP FINGER STILL DURING SCANNING.
- If finger/thumb "2" was successfully enrolled, a single short beep will be heard, the LCD will display **"Success"** and 2N will change to **2Y.**

  - If unsuccessful, **"Failed"** will display on the LCD and 2N **<u>will not</u>** change to 2Y. Repeat the steps above to try again.

- Press the up arrow to highlight **3N** and press **"M".**

- Rest the next (or same) desired finger or thumb on the sensor (outside unit).

- Keep finger or thumb on the sensor while it flashes three quick times. KEEP FINGER STILL DURING SCANNING.
- If finger/thumb "3" was successfully enrolled, a single short beep will be heard, the LCD will display **"Success"** and 3N will change to **3Y**.

- If unsuccessful, **"Failed"** will display on the LCD and 3N **<u>will not</u>** change to 3Y. Repeat the steps above to try again.

- When all fingerprints have been successfully enrolled, **1Y, 2Y, 3Y** will display. Press **"E"** to exit back to the specific User IDs' menu options.

2.2 Add PIN

To **Add or Modify a PIN CODE** associated to the specific User ID, scroll down to 2. User Edit, press "M". Use the front keypad to enter desired User ID (e.g. 69: 6 + 9 + #)

Using front keypad: press 6 + 9 + #

Press "M" →

"M"

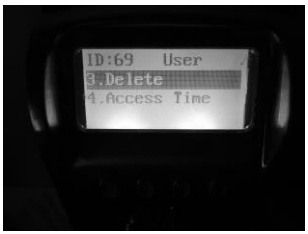
Using front keypad numerical keys, enter a unique code (from 1 digit to 10) and press #
LCD will momentarily display "SAVED!" to confirm the entry, then pop back to the User ID setup menu

Tip: If you enter a digit in error, use the "*" to delete the last entered digit

2.3 Delete PIN, FP, FP & PIN (*associated to the specific User ID):*

1) Select menu 2. User Edit, enter desired User ID from front keypad, use ↓ key to select 3. Delete, use ↓ key to select 1. PIN only, press M → LCD displays "Deleted!" momentarily to confirm your selection then pops back to User ID setup menu

Using front keypad: press 6 + 9 + #



"M"

Note: Functions 2 (FP Only) & 3 (FP & PIN) operate in the same manner

2.4 Access Time

Overview

To set up Timed Access for the *Specific User ID*, scroll down to and highlight menu option **4. Access Time** and press **"M".**

Each specific USER ID has three TIME MODES that can be set up for them (Administrators can edit each specific User IDs Timed Access at anytime):

- **ANY TIME**…When this is chosen, the specific User ID can unlock the door with their enrolled fingerprints or PIN Codes at any time. *The exception to this is if specific Timed Access is set up for the LOCK (under Menu **1**; **Lock Setup**: **1.6. Access Time**)*
- **INVALID**…This can also be called "lock down" mode for the specific User ID. When this is enabled for the ***specific User ID***, the User will not be able to unlock the door with their enrolled fingerprints or PIN Codes, until an Administrator re-assigns them to ANYTIME or ACC-TIME.
- **ACC-TIME**…This mode allows for specific User ID to have timed access to unlock the ReliTouch® RT-201 with their enrolled fingerprints or PIN Codes during a specific date range, days of the week and time frame within the days of the week. Acc-Time means Access Time.

NOTE: The Time Setting chosen/created for the LOCK *(under Menu 1, Lock Setup: 1.6. Access Time)* will *override* any specific Timed Access assigned for a specific User. For example, if ACC-TIME is chosen for the lock and set to Mon, Wed and Fri 9am to 5pm, Users will only have access to unlock the door during the set days and times, no matter what individual timed access was set for them. However, Administrators (User ID 1-3) will always have access to unlock the ReliTouch® RT-201.

2.4.1 Invalid

*This setting will disable the **Specific User ID** access, either with FP or PIN code until an Administrator resets that Specific User ID to ANYTIME or ACC-TIME*

1) In menu 2.4, scroll to **1. Invalid** and press "**M**"

2) •Message "**Saved**!" will display. And you will be returned to menu option 1. Invalid.

3) Press "**E**" to return to exit

2.4.2 ANY TIME

(Access mode for the Specific User ID)

- Scroll to **"ANYTIME"** option and press **"M".**

- Message **"Saved"** will display. And you will be returned to menu option **2. Anytime**

- Press **"E"** to exit.

- .

2.4.3 ACC-TIME

(Timed Access mode for the Specific User ID)

- Scroll to **"ACC-TIME"** option and press **"M".**

- Highlight **"Date",** and press **"M".**

- The "**From"** and "**To" Date Range** options display. The format for the **Date Range** settings is **MMM/DD/YYYY** (from left to right).

- Use the up and down arrows to choose the appropriate **MM**, **DD** & **YYYY** in each section. When desired numeric value is chosen for each section, press **"M"** to move onto the next date value.

  - **Example:** Desired **"From"** date is January 15, 2009. In the **"From"** section:
  - Use the up and down arrows to enter **Jan** (for January) and press **M.**

  - Use the up and down arrows to enter **"15"** (for the fifteenth day of the month) and press **M.**

- Use the up and down arrows to enter **"2009"** (for the Year) and press **M.**

- Use the same steps for the **"To"** date.

- Once the **Date Range** is set up, press **"E".** Message "**Save?"** will display on the LCD. Press **"M".**

- Message **"Saved!"** will display. Press **"E"** to exit without saving.

Use the following steps to set up the Time Frame for the *Specific User ID:*

- The format of the time setup is HH:MM and is in **MILITARY TIME**, meaning that the clock is 24 hours, instead of 12 hours; e.g.: If the **"From"** time 11:00 PM, the clock should be set up as 23:00.

- Choose the correct **"Fr: (From)"** hour by using the Up/Down arrows until desired numeric hour is chosen and press **"M"** to save selection.

- Choose the correct **"Fr: (From)"** minute by using the Up/Down arrows until desired numeric minute is chosen and press **"M"** to save selection.

- Choose the correct **"To"** hour by using the Up/Down arrows until desired numeric hour is chosen and press **"M"** to save selection.

- Choose the correct **"To"** minute by using the Up/Down arrows until desired numeric minute is chosen and press **"M"** to save selection.

- Once the **Time Frame** is set up, press **"E".** Message "**Save?"** will display on the LCD. Press **"M".**

- Message **"Saved!"** will display. Press **"E"** to exit without saving.

Use the following steps to set up the Days of the Week access for the Specific User ID:

- Highlight **"Week Days"**, and press **"M"**.

- Press **"M"** button to choose **"Y"** (Yes) OR **"N"** (No) for each day of the week that is highlighted.

- If **"Y"** (Yes) is chosen for a specific day of the week, then the Specific User ID will have access to unlock the ReliTouch® RT-201 with their enrolled fingerprints and/or PIN Code, on that day of the week, during the **Date Range** and **Time Frame** that has already been set up. Once the Date Range or Time Frame has expired, the fingerprints and PIN Code associated to the Specific User ID will not be able to unlock the ReliTouch® RT-201.
- If **"N"** (No) is chosen for a specific day of the week, then the enrolled fingerprints and/or PIN Code associated to the specific User ID will not be able unlock the ReliTouch® RT-201 for that day of the week.
- Press **"E"** to save the selection and exit, and then scroll to the next day of the week.

- When setting for "**Saturday (Sat)"** is completed, press **"E".** Message "**Save?"** will display on the LCD.

- Press **"M".** Message **"Saved!"** will display.

Press **"E"** to exit, multiple times, until the **"Bye"** message displays and the ReliTouch® RT-201 LCD powers off.

Menu 3 Flash Drive

This menu allows an Administrator to download Audit Trail records (**3.1 Records Out**) and upload Administrator/User settings (**3.2 Data Upload**) via a USB flash drive from the optional RUMS software package into the USB slot located at the bottom of the inside unit.

***Notes**:*

- *Always ensure the USB contains only data pertaining to the operation of the lock (i.e. no other file extensions e.g. JPG, PDF etc). Failure to do so can damage the firmware at the lock.*
- *Only Audit Trail records will be downloaded from the lock, i.e. if you enrolled a User at the lock itself with FP and/or PIN codes, this data will NOT be downloaded and transferred to RUMS.*
- *All data uploaded from the USB will over write data in the lock internal memory; e.g. if User 0004 was enrolled at the lock and you allocate a different User 0004 using RUMS, the data from RUMS will replace the data inserted at the lock itself.*

3.1 Records Out

1) the USB can be inserted at any time

2) Select menu **3. Flash Drive**; press "**M**" sub menu **3.1. Records Out** is displayed

3) Press "**M**", message **Plug in U-disk** will automatically appear, blue light (at base of inside unit) will illuminate when the USB has been inserted and begins to interrogate the lock

4) Message **U-disk ok!** will display when successful interrogation is complete *(if you get a "Userfile Error" at this point, either the Lock has not been assigned an ID or there are foreign files [e.g. JPG] present on the USB)*

5) the USB will immediately begin to communicate with the lock and you will see either:

- **No Records!** This indicates that there has been no activity at the lock since the last time the USB interrogated the lock, or
- **Set up file……ok**, followed by **Completed!** Indicating successful downloading of Audit Trail data

3.2 Data Upload

1) the USB can be inserted at any time

2) Select menu 3. Flash Drive; press "**M**" sub menu **3.2. Data Upload** is displayed

3) Press "**M**", message **Plug in U-disk** will automatically appear, blue light (at base of inside unit) will illuminate when the USB has been inserted and begins to interrogate the lock

4) Message **U-disk ok!** will display when successful interrogation is complete *(if you get a "Userfile Error" at this point, either the Lock has not been assigned an ID or there are foreign files [e.g. JPG] present on the USB)*

5) Message "**Devfile reading….ok**" indicates the USB is interrogating the lock,

6) Message "**Userfile reading…..ok**" displays momentarily followed by User ID numbers showing in succession (uploaded). When the data transfer is complete, the message "**Rec Read**" is displayed

7) the sub menu "**Data Upload**" is displayed automatically. Press "**E**" to exit to main menu, "**E**" again to exit lock functions

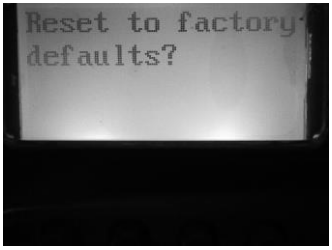
Menu 4 Records

Press "**M**" to display the number of times the lock has been used

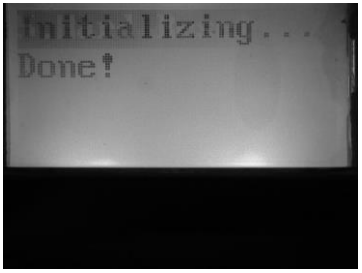
Menu 5 Hard Reset

This function resets all settings to factory default

"M"



Press "M" to begin the reset procedure. At completion, LCD will display "Done!" momentarily, then pop back to main menu.



Menu 6 Update via USB

Overview: This function allows all new firmware revisions (from version 3.04 onwards) to be updated via USB.

1) Insert the USB drive into the slot, navigate to 1.6, press "M" (ensure blue light illuminates – this ensures the USB is inserted correctly).
2) New firmware will upload automatically

"M"

Automatic upload of new firmware will begin when "….ok" is displayed, followed by "Firmware reading", then "Updating….Please wait!". On completion, the LCD will display "Done!" and lock will automatically turn off

Section 2 Unlocking the ReliTouch® RT-201

2.1 In 1:N Mode with an enrolled fingerprint

1) Press the # button on the keypad of the outside unit.

2) A single short beep will be heard and the fingerprint sensor will power on.

3) After the fingerprint sensor **flashes the second time**, rest an enrolled fingerprint on the sensor window to verify.

4) If fingerprint verification was successful, (two short beeps will be heard,) the green LED will flash and the ReliTouch® RT-201 will unlock (and remain unlocked for approximately four seconds).

If verification of the enrolled fingerprint was not successful on the first attempt, the LED will flash red (no beeps). If this happens, re-position the enrolled fingerprint on the sensor. The sensor will try two more times to verify the enrolled fingerprint. If all three attempts fail the LED will flash red three times and three short beeps will be heard. Remove the enrolled fingerprint and start over from the beginning of this section. Also, check to make sure that the fingerprint being used has been enrolled.

If the LED flashes red three times, and three short beeps are heard, after * or # button was pressed, this indicates that the matching mode is set to 1:1.

If LED flashes red once, and one single beep is heard after a successful verification, this indicates that User ID associated to the enrolled fingerprint is either outside of their Timed Access settings, OR their User ID is set to INVALID, OR the lock is set to INVALID.

2.2 In 1:N Mode with a registered PIN Code

1) Enter the registered PIN Code on the keypad of the outside unit and press **. (star star)

2) If PIN Code verification was successful, two short beeps will be heard, the green LED will flash and the ReliTouch® RT-201 will unlock (and remain unlocked for approximately four seconds).

If verification of the registered PIN Code was not successful, the LED will flash three times, three short beeps will be heard and the ReliTouch® RT-201 will power off. Start over from the beginning of this section. Also, check to make sure that the PIN Code being used has been registered, AND make sure that the matching mode is set to 1:N.

If LED flashes red once, and one single beep is heard after the PIN code was successfully entered, this indicates that User ID associated to the enrolled fingerprint is either outside of their Timed Access settings, OR their User ID is set to INVALID, OR the lock is set to INVALID.

2.3 In 1:1 Mode with an enrolled fingerprint

1) Enter the specific User ID on the keypad of the outside unit, followed by pressing the # button. The sensor will power on.

2) After the fingerprint sensor **flashes the second time**, rest the enrolled fingerprint associated to the User ID on the sensor window to verify.

3) If fingerprint verification was successful, a single short beep will be heard, the green LED will flash and the ReliTouch® RT-201 will unlock (and remain unlocked for approximately four seconds).

If verification of the enrolled fingerprint was not successful on the first attempt, the LED will flash red (no beeps). If this happens, re-position the enrolled fingerprint on the sensor. The sensor will try two more times to verify the enrolled fingerprint. If all three attempts fail the LED will flash three times and three short beeps will be heard. Remove the enrolled finger and start over from the beginning of this section. Also, check to make sure that the fingerprint being used has been enrolled.

If the LED flashes red three times, and three short beeps are heard, after the specific User ID and # button were entered, this indicates that the matching mode is set to 1:N.

If LED flashes red once, and one single beep is heard after a successful verification, this indicates that User ID associated to the enrolled fingerprint is either outside of their Timed Access settings, OR their User ID is set to INVALID, OR the lock is set to INVALID.

2.4 In 1:1 Mode with a registered PIN Code

1) Enter the **specific User ID** on the keypad of the outside unit, Press *****, Enter the **Registered PIN Code** and Press ******.

2) If PIN Code verification was successful, two short beeps will be heard, the green LED will flash and the ReliTouch® RT-201 will unlock (and remain unlocked for approximately four seconds).

If verification of the registered PIN Code was not successful, the LED will flash three times, three short beeps will be heard and the ReliTouch® RT-201 will power off. Start over from the beginning of this section. Also, check to make sure that the PIN Code being used has been registered, AND make sure that the matching mode is set to 1:N.

If LED flashes red once, and one single beep is heard after the PIN code was successfully entered, this indicates that User ID associated to the enrolled fingerprint is either outside of their Timed Access settings, OR their User ID is set to INVALID, OR the lock is set to INVALID.

2.5 With the override keys

1) Insert key into the keyhole.

2) Turn the key in the RIGHT direction to horizontal level (90 degrees).

3) Pull up on the handle

4) Turn the key back in the opposite direction and pull key out of the keyhole.

Support Information:

Contact the Actuator Systems Australia ReliTouch® dealer you purchased the lock from **OR**

Contact us at support@advancedactuators.com.au or **1300 905 299-** for additional support.

All RMA's and Repair requests are handled on the support RMA page on the Actuator Systems website at:

https://www.advancedactuators.com.au/support/submit-rma/

ACTUATOR SYSTEMS LIMITED 2 YEAR WARRANTY COVERAGE IS AS FOLLOWS:

If your ReliTouch experiences any mechanical or electronic failure caused by defects in material or manufacturing workmanship during the 2 year warranty period Actuator Systems will repair or replace the unit at Actuator Systems expense including ground shipment expenses. In addition during the first 30 days after purchase Actuator Systems offers a FREE hot-swap of the ReliTouch with a new ReliTouch at Actuator Systems expense. You must return your original ReliTouch lock within 14 days from the date you receive your replacement lock or you are liable for the full retail price of the replacement lock. Hot-swaps after the first 30 days are available for a fee. Your returned ReliTouch must include all items that were originally included in the package or additional fee's will apply.

Your limited warranty is voided if any of the following conditions are true:

1. The ReliTouch is abused or misused
    a. This includes scratches or other damage that can occur during installation.
2. The ReliTouch is damaged or neglected during installation or use.
    a. This includes exposure of the inner portion of the lock (the portion with the LCD screen) to rain or snow. The outdoor portion can be exposed and is designed for rugged exposure.
    b. Mounting the lock on any temporary building (such as a shed) or semi-permanent buildings (such as a pool enclosure) voids the warranty.
    c. Mounting the lock on any porous surface. This includes materials such as grooved woods or any surface that prevents the rubber grommet from sealing the lock to the surface of the door.
3. Modification of the ReliTouch in any way.
4. Expedited shipping for replacement units (this is available when you submit the RMA, you just pay the difference over ground ship).

USER ENROLLMENT TABLE:

User ID	Hand (L/R)	Finger	PIN	Name